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APPLICATION NO.	N NO. FILING DATE FIRST NAMED IN		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/687,344 10/15/2003		Ivan Osorio	011738.00149	7817	
22908 75	90 08/09/2005		EXAMINER		
	VITCOFF, LTD. VACKER DRIVE	ASTORINO, MICHAEL C			
SUITE 3000	VACKER DRIVE	ART UNIT	PAPER NUMBER		
CHICAGO, IL 60606			3736		
			DATE MAILED: 08/09/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application	n No.	Applicant(s)					
		10/687,344	ŀ	OSORIO ET AL.					
		Examiner		Art Unit					
			Michael C.		3736				
Period fo	The MAILING DATE of this commun r Reply	ication appe	ears on the	cover sheet with the c	orrespondence ad	idress			
THE N - Exten after to - If the - If NO - Failur Any re	DRTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUNI sions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comm period for reply specified above is less than thirty (3 period for reply is specified above, the maximum st e to reply within the set or extended period for reply eply received by the Office later than three months a d patent term adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136 nunication. o) days, a reply valutory period will will, by statute, c	S(a). In no even within the statut Il apply and will cause the applic	it, however, may a reply be timory minimum of thirty (30) days expire SIX (6) MONTHS from ation to become ABANDONE	ely filed s will be considered time the mailing date of this o O (35 U.S.C. § 133).				
Status		•							
1) 又	Responsive to communication(s) file	ed on 15 Oct	tober 2003						
·	This action is FINAL. 2b)⊠ This action is non-final.								
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims			•					
5)□ 6)⊠ 7)□	 Claim(s) 1-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-21 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement. 								
Application	on Papers								
10) 🗌 -	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any objected to a second to the	: a) ☐ accept action to the digital the correction	pted or b) rawing(s) be on is require	held in abeyance. Seed if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 C	` '			
11)	The oath or declaration is objected to	b by the Exa	iminer. Not	e the attached Office	Action or form P	10-152.			
Priority u	nder 35 U.S.C. § 119			·					
a)[Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation ee the attached detailed Office actions.	documents documents of the priont	have been have been ty documer (PCT Rule	received. received in Applications have been received 17.2(a)).	on No d in this National	Stage			
Attachment	· (s)								
1) Notice	e of References Cited (PTO-892)		•	4) Interview Summary					
3) 🛛 Inform	e of Draftsperson's Patent Drawing Review (P nation Disclosure Statement(s) (PTO-1449 or No(s)/Mail Date <u>04, 06, & 11,/2004</u> .			Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:		O-152)			

DETAILED ACTION

Specification

The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which the applicant may become aware in the specification.

Claim Objections

Claim 9 is objected to because of the following informalities: in line 1 the applicant recites the claim is dependent on claim 1, however it appears the claim should be dependent on claim 2 since the "criterion" is initially recited in claim 2. Appropriate correction is required.

Note to applicant: text inside the parenthetical, after each limitation provides a reference to the cited patent to support the examiner's rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9, 12-13, and 15-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Echauz et al. US Patent Number 6,678,548 B1.

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Claim 1. A method for performing trial screening with a medical device system, the medical device system providing treatment to a patient with a nervous system disorder, the method comprising the steps of:

- (a) receiving a first input relating to a location of treatment therapy delivery (element number 20)
- (b) receiving a second input about a set of therapy parameters that is associated with a treatment therapy; (element numbers 60/70; see also col. 5, lines 43-53)
- (c) administering the treatment therapy in accordance with the first and second inputs; (element numbers 72, 74, 76, 78)
- (d) receiving a first indication whether the treatment therapy is acceptable to the patient and second indication whether to utilize the first and second inputs; (col. 6, lines 1-14) and (e) if the first indication indicates that the treatment therapy is acceptable and if the second indication indicates that the first and second inputs are to be used, applying the treatment therapy, wherein the treatment therapy is applied in a closed loop mode or an open loop mode. (column 6, lines 1-14)

In regards to claims 2 and 8 The method of claim 1, further comprising the steps of: (f) in response to step (e), determining if the treatment therapy is successful in accordance with a criterion; and (g) in response to step (f), reporting results of the treatment therapy and (h) in response to step (f), if the treatment therapy is not successful, repeating steps (a)-(g). (see figure 3, and col. 6. lines 28-62, successful and non-successful performance is inherent based on

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the use of the computational intelligence algorithms and the posterior probability functions)

In regards to claims 3-7, see abstract and col. 5, lines 43-55.

Claim 9. The method of claim 1, wherein the criterion is selected from a group consisting of a detection frequency of the neurological event, a duration of the neurological event, an intensity of the neurological event, and an electrographic spread of the neurological event. (see abstract)

In regards to claims 12 and 13, the methods steps of claims 1 and 2 are performed by a computer-readable medium having computer-executable instructions.

Claims 15-21 are rejected on the same basis as claims 1-9 and 12-13.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 10-11 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Echauz et al. US Patent Number 6,678,548 B1 as applied to claim 2 above, and further in view of Greene US Patent Number 6,529,774.

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In regards to claims 10, 11, and 14, Echauz et al. does not disclose, The method of claim 2, wherein step (c) comprises the step of applying the treatment therapy every n.sup.th detection cluster, and wherein step (f) comprises the steps of: (i) obtaining treatment data for a first detection cluster, wherein the treatment therapy is applied; (ii) obtaining comparison data for a second detection cluster, wherein the treatment therapy is not applied, and wherein the comparison data correspond to the treatment data; and (iv) calculating a difference between the treatment data and the comparison data in order to determine the efficacy of the treatment therapy (see abstract, figure 1, and 4) but does not explicitly disclose (iii) deleting a portion of the comparison data corresponding to a blanking interval of the treatment therapy. However, Greene a reference in an analogous art does disclose (iii) deleting a portion of the comparison data corresponding to a blanking interval of the treatment therapy. (column 7, lines 51-67; column 8, lines 1-4; column 11, lines 62-67; and column 12, lines 1-12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the probabilistic framework for predicting and detecting seizure onsets in the brain and multitherapeutic device, specific to the brain stimulation therapy in view of the brain stimulation therapy including the blanking circuit of Greene, since Greene states the use of the blanking circuit to keep the non-responsive stimulation from interfering with detection of the brain activity, column 7, lines 51-53.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Michael C Astorino** whose telephone number is **571-272-4723**. The examiner can normally be reached on Monday-Friday, 8:30AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on 571-272-4726. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Astorino August 8, 2005